NEWS LETTER

MANNING SEED COMPANY

DEXTER HORTON BUILDING
SEATTLE 4, WASHINGTON, U.S.A.

Bulletin No. 7 November 20, 1952

CALIFORNIA FOREST TREE SEED

The parentage of Coniferous Tree Seed and the environment in which it is grown are known to greatly influence the quality and rate of growth of planted forests. Because of this fact the MANNING SEED COMPANY has extended its seed identification system to include the twelve collection zones established by the Forest Service in California, from where we are now able to supply seed grown at various elevations and under different climatic conditions.

To insure the integrity of every seed source, our California seed is collected and carefully processed under the direct supervision of technically trained foresters. Each lot of seed is positively identified with the area from which it is collected so that your seed orders can be accurately duplicated in future years.

In 1952 cone collections were limited to a certain few regions and elevations. In 1953, however, we hope it will be possible for us to make collections in additional regions to meet the requirements of the planting programs now being inaugurated by our customers. It will therefore be necessary that orders be placed well in advance of our August, 1953 cone collection season in order to insure fall delivery.

Seeds of the following species are now being processed and will be ready for shipment for early spring planting:

Abies magnifica	- Red Fir
Pinus Jeffreyi	- Jeffrey Pine
Pinus lambertiana	- Sugar Pine
Pinus monticola	- Western White Pine
Pinus ponderosa	- Western Yellow Pine
Sequoia sempervirens	- Redwood

If you have a planned reforestation program and require a specific amount of seed each year, it would probably be to your advantage to investigate our Contract Buyer Agreement which will insure the proper seed for your planting site on an annual basis.

When making inquiry, please give us the quantity desired as well as the region, zone and elevation.

MANNING SEED COMPANY

MANINGSEED MAP

CALIFORNIA
Seed Collection Regions

In order to permanently identify the regions from which MANINGSEED is collected, and thus enable customers to easily reorder the best tree seed for their needs, we use lot numbers to indicate region, zone, and elevation -- for example:

Lot No. N3-0.5 (Orick)

The first letter (N) indicates the region, and the first number (3) indicates the zone. The two numbers following (0.5) indicate the elevation in thousands of feet -- 0.5 = zero to 500 feet.

The predominate species growing on the east and west slopes of the Sierra Nevada Mountains in Northern California are Ponderosa pine, Jeffrey pine and Sugar pine. Mixed with these pine species are Douglas fir, Red fir and White fir.

On the coast there are impressive stands of Redwood -- Sequoia sempervirens -- the tallest living tree in America. Mixed with the Redwood and occurring further east are large stands of Douglas fir.

In the south, Region F1, the King of the Conifers, the majestic Sequoia gigantea, grows in about 70 groves, totaling over 1000 big trees. These trees are native to the western slopes of the Sierra Nevada at elevations from 4500 to 8500 feet.

See MANINGSEED NEWSLETTERS for details of climate and rainfall.

Acknowledgement:
Data from seed collection map compiled and released (1946) by Mr. H. A. Fowells, Silviculturist, California Forest and Range Experiment Station.